

WHAT IS CLAIMED IS:

1. A device installed at a ditch on a road for preventing a backflow of sewage and a malodor, including:
 - a frame portion comprising a plurality of frames arranged in parallel with each other;
 - a valve portion inserted into recesses that are formed in upper sides of the frames along a perpendicular direction to a lengthwise direction of the frames, the valve portion being opened or closed in a manner of a lever according to the weight of a flow of the sewage; and
- 10 a cover portion for covering the frame portion and the valve portion to protect the frame portion and the valve portion from an external force.

2. The device of claim 1, wherein the cover portion includes:
 - flat drain holes formed in plural lines which are arranged in parallel with each other, each of the lines being provided with a plurality of passage holes formed therein;
 - flow velocity resistance embossings which are disposed along the lines of the flat drain holes one by one, the flow velocity resistance embossings protruding upwardly with a predetermined height in a bar shape;
- 15 inclined drain holes formed at both ends of the lengthwise direction and inclined upwardly; and
- 20 a plurality of sliding prevention embossings protruding upwardly from an upper surface of the cover portion, for preventing walkers from sliding thereon.

3. The device of claim 2, wherein the frame portion is divided into both edge portions corresponding to the inclined drain holes of the cover portion, and a middle portion.

5 4. The device of claim 3, wherein the middle portion comprises:
the plurality of frames arranged in parallel with each other along the lengthwise direction; and
lever valve recesses formed in the upper sides of the frames in the perpendicular direction to the frames.

10 5. The device of claim 4, wherein each of both edge portions has a plurality of inclined frames extending from the frames, and quarter turn valve recesses are disposed in the inclined frames in a line.

15 6. The device of claim 5, wherein the valve portion comprises:
lever valve means connected to the lever valve recesses formed in the middle portion of the frame portion; and
quarter turn valve means connected with the quarter turn valve recesses formed in the both edge portions of the frame portion.

20 7. The device of claim 6, wherein the lever valve means are provided along each line of the lever valve recesses formed in the frames one by one, and the lever valve means comprises:
lever valve hinge shafts connected with a plurality of lever valves by

passing through the lever valves, for connecting the lever valves with the frames by being inserted into the lever valve recesses; and

a lever valve portion including:

hinge shaft connecting means shaped in a hollow cylinder to

5 receive the lever valve hinge shafts;

lever valves disposed at one side of the hinge shaft connecting means and shaped in a wide and long plate; and

weights disposed at the other side of the hinge shaft connecting means, shaped in a narrow and short plate to have a weight heavier than the

10 lever valves.

8. The device of claim 7, wherein the quarter turn valve means comprises:

quarter valve hinge shafts inserted into the quarter valve recesses with a

plurality of quarter turn valves being hung on one quarter valve hinge shaft,

15 thereby connecting the quarter turn valves with the frames; and

a plurality of quarter turn valves each having one hooked end to hook on the quarter valve hinge shaft, the other end of the quarter turn valve being shaped in a wide and long plate vertically extending from the hooked end, and having weights formed at the other end.

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9. The device of claim 1, wherein the frame portion is provided with an inclined frame, and quarter turn valves are inserted into quarter turn valve recesses such that the quarter turn valves and the inclined frames are served as a cover.

10. The device of claim 1, assembled with a lid frame comprising:
a frame where lever valve recesses are provided to allow lever valve
hinge shaft to rotate being inserted thereinto;

5 a cover having flat drain holes formed thereon, for preventing a
malfunction of the valves and guiding a draining flow; and
lever valves having weights to open and close the flat drain holes.